

1/2

**FIG 1. Amino acid sequence of arginine deiminase (ADI) from wild-type *Mycoplasma hominus***

M. hominis ADI	MSVFDSKFGIHVYSEIGELETVLVHEPGREIDYITPARLDELLFSAILES HDARKEHQ S	60
M. hominis ADI	FVKIMKDRGINVVELTDLVAETYDLASKAAKEEFIE T FLEETVPVLTEANKKA VRAFLLS	120
M. hominis ADI	KPTHEMVEFMMSGITK YELGVESENELIVDMPNLYFTRDPFASVGNGV TIHFMR YIVRR	180
M. hominis ADI	RETLFARFVFRNHPKLVKTPWYYDPAMKMPIEGGDVFIYNNETLVVGVSERTDLD TTITLL	240
M. hominis ADI	AKNIKANKEVEFKRIVAINVPKW TNLMHLDTWLTMLDKNKFLYSPIANDVFKFWDYD LVN	300
M. hominis ADI	GGAEPQPQLNGLPLDKLLASIINKEPVLIPIGGAGAGATEMEIARETNFDG TNYLAIKPGLV	360
M. hominis ADI	IGYDRNEKTNAAALKAAGITVLPFHGNQLSLGMGNARCMSP LSRKDVKKW	409

2/2

**FIG 2. Amino acid sequence of modified arginine deiminase (ADI E112, S210) from *Mycoplasma hominus***

ADI E112, S210	MSVFDSKFNHGYSEIGELETVLVHEPGREIDYITPARLDELLFSAILESHDARKEHQS	60
ADI E112, S210	FVKIMKDRGINVVELTDLVAETYDLASKAAKEEFIEETFPVLTAEANKEAVRAFLLS	120
ADI E112, S210	KPTHEMVEFMMSGITKYELGVESSENELIVDPMPNLYFTRDPFASVGNGVTIHFMRYIVRR	180
ADI E112, S210	RETLFARFVFRNHPKLVKTPWYYDPAMKMSIEGGDVFIYNNETLVVGVSERTDLDTTITLL	240
ADI E112, S210	AKNIKANKEVEFKRIVAINVPKW/TNLMHLDTWLTMLDKNKFLYSPIANDVFKFWDYDVLN	300
ADI E112, S210	GGAEPQPQLNGLPLDKLLASIINKEPVLPIGGAGATEMEIARETNFDGNTYLAIKPGLV	360
ADI E112, S210	IGYDRNEKTNAALKAAGITVLPFHGNQLSLGMGNARCMSPMLSRKDVVKW	409